## Rate analysis of above 125% items and EIRL items For the work of

## Name of Work: Construction of Gazebo, Watchman Shed, Pathway Improvement, Child Play Equipment and

| SL NO | Item-No | ITEM OF WORK | Item No & page no | Unit | Basic Rate | Add Area weightage | | Total rate | Add/Deduct O.T.P @ +5 percent | Net item Rate |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 6% | 8% | | | |
| | | **WORKSLIP ITEMS** | | | | | | | | |
| 1 | 3 | Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil | PWD BCSR 2018-19,Pg No,6,It No 2.1 | Cum | 249.00 | 14.94 | | 263.94 | 12.93 | **276.87** |
| 2 | 4 | Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications. | PWD BCSR 2018-19, Pg No 13, It No 4.2 | Cum | 5194.00 | 311.64 | | 5505.64 | 269.78 | **5775.42** |
| 3 | 5 | Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications. | PWD BCSR 2018-19, Pg No 13, It No 4.2 | Cum | 5194.00 | | 415.52 | 5609.52 | 274.87 | **5884.39** |
| 4 | 15 | KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats ( excluding priming coat ) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after thoroughly cleaning oil, dirt, dust other foreign matter, including cost of materials, labour, complete as per specification | PWD BCSR 2018-19, Pg No124, It No 15.83 | Sqm | 71.00 | 4.26 | | 75.26 | 3.69 | **78.95** |
| 5 | 16 | Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with initial lead all lifts. (MI BCSR 2018-19.P-35,I-2.36) | (MI BCSR 2018-19.P-35,I-2.36) | Cum | 222.00 | 13.32 | | 235.32 | 11.53 | **246.85** |
| 6 | 20 | Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. | PWD BCSR 2018-19, Pg No 116, It No 15.18 | Sqm | 289.00 | | 23.12 | 312.12 | 15.29 | **327.41** |
| 7 | 21 | Extra for providing and mixing waterproofing compound in cement plaster for stone masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 20mm thick cost of materials complete as per specifications. | PWD BCSR 2018-19, Pg No 116, It No 15.27 | Sqm | 9.00 | | 0.72 | 9.72 | 0.48 | **10.20** |
| 8 | 26 | KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10) | PWD BCSR 2018-19, Pg No 7, It No 2.10 | Cum | 201.00 | 12.06 | | 213.06 | 10.44 | **223.50** |
| 9 | 30 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50 m from Ground level | PWD BCSR 2018-19, Pg No16, It No 4.30 | Sqm | 440.00 | 26.40 | | 466.40 | 22.85 | **489.25** |
| 10 | 31 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thicknes including cost of all materials, labour complete as per specifications and direction of the Engineer in charge. | PWD BCSR 2018-19, Pg No16, It No 4.31 | Sqm | 358.00 | | 28.64 | 386.64 | 18.95 | **405.59** |
| 11 | 32 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. | PWD BCSR 2018-19, Pg No17, It No 4.34 | Sqm | 292.00 | | 23.36 | 315.36 | 15.45 | **330.81** |
| 12 | 33 | Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. | PWD BCSR 2018-19, Pg No 17, It No 4.36 | Sqm | 403.00 | | 32.24 | 435.24 | 21.33 | **456.57** |
| 13 | 40 | Fixing of frames in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. | PWD BCSR 2018-19, Pg No 60, It No 9.80 | nos | 1366.00 | | 109.28 | 1475.28 | 72.29 | **1547.57** |
| 14 | 48 | Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. | PWD BCSR 2018-19, Pg No 115, It No 15.13 | Sqm | 221.00 | | 17.68 | 238.68 | 11.70 | **250.38** |
| | | **EIRL ITEMS** | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 13 | EI-1 | KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. | PWD BC S.R 2018-19 KBS page 6 item No. 2.3 | cum | 299 | | 23.92 | 322.92 | 15.82 | **338.74** |
| 14 | EI-2 | Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. | PWD BC S.R 2018-19 KBS page 7item No. 2.15 | cum | 2429.00 | | 194.32 | 2623.32 | 128.54 | **2751.86** |
| 15 | EI-3 | Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications (for approch slab) | PWD BC S.R 2018-19 KBS page14 item No.4.12 | cum | 6045.00 | 362.70 | | 6407.70 | 313.98 | **6721.68** |
| 16 | EI-4 | Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications (for approch slab) | PWD BC S.R 2018-19 KBS page14 item No.4.12 | cum | 6045.00 | | 483.60 | 6528.60 | 319.90 | **6848.50** |
| 17 | EI-5 | Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Hume Pipes) | PWD BC S.R 2018-19 KBS page 27 item No. 5.27.2 | sqm | 953.00 | 57.18 | | 1010.18 | 49.50 | **1059.68** |
| 18 | EI-6 | Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Labour quarters) | PWD BC S.R 2018-19 KBS page 27 item No. 5.27.2 | sqm | 953.00 | | 76.24 | 1029.24 | 50.43 | **1079.67** |
| 19 | EI-7 | Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Shoulder drain | PWD BC S.R 2018-19 KBS page 27 item No.5.28 | sqm | 811.00 | 48.66 | | 859.66 | 42.12 | **901.78** |
| 20 | EI-8 | Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Labour Quarters) | PWD BC S.R 2018-19 KBS page 27 item No.5.28 | sqm | 811.00 | | 64.88 | 875.88 | 42.92 | **918.80** |
| 21 | EI-9 | KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I 2.10) | PWD BC S.R 2018-19 KBS page 7 item No.2.10 | cum | 201.00 | | 16.08 | 217.08 | 10.64 | **227.72** |
| 22 | EI-10 | Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., 1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel) | MI BCSR 2018-19 PG.36 ITEM NO.2.36 | cum | | | | 636.00 | 31.16 | **667.16** |
| 23 | EI-11 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, Footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications | PWD BC S.R 2018-19 KBS page 16 item No.4.28 | sqm | 258.00 | | 20.64 | 278.64 | 13.65 | **292.29** |
| 24 | EI-12 | KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (Labour Quarters) | PWD BC S.R 2018-19 KBS page18 item No. 4.46.2 | tonnes | 70966.00 | | 5677.28 | 76643.28 | 3755.52 | **80398.80** |

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|---|---|---|---|---|---|---|---|---|---|---|
| 25 | EI-13 | Removing and resetting of kerb stones | PWD BC S.R 2018-19 KBS page 270 item No.37.57 | nos | 99.00 | 5.94 | | 104.94 | 5.14 | **110.08** |
| 26 | EI-14 | Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications. | PWD BC S.R 2018-19 KBS page150 item No.19.97 | quintal | 7187.00 | 431.22 | | 7618.22 | 373.29 | **7991.51** |
| 27 | EI-15 | Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. 450 mm. dia | PWD BC S.R 2018-19 KBS page 254 item No.34.6.2 | mtr | 2583.00 | 154.98 | | 2737.98 | 134.16 | **2872.14** |
| 28 | EI-16 | Providing and constucting pithcing / Revetment of 30 cm thick on slopes using granite /basalt/trap/stones of surface area not less than 0.04 sqm and wedged with spalls including cost of all materials, labour, HOM etc., complete as per specification. | PWD BC S.R 2018-19 KBS page 256 item No.34.14 | sqm | 447.00 | 26.82 | | 473.82 | 23.22 | **497.04** |
| 29 | EI-17 | Fabricating, providing and erecting in poiston of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providing ornamental C I Designers at the bottom and C I arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings. | PWD BC S.R 2018-19 KBS page 43 item No.7.31 | kgs | 132.00 | | 10.56 | 142.56 | 6.99 | **149.55** |
| 30 | EI-18 | Providing and fixing engineered wood door frame fabricated using Wood Plastic Composites profiles (WPC) of cross section 75 mm X 125mm with a density of 1250-1300 kg/m3, resistant to water, termite, fungal and UV, using four numbers of L shaped MS or plastic clamps at the corners of the frame to fix it firmly to form a rectangular shape door frame and provided with six numbers of 260mmx25mmx5mm size z shaped MS flat hold fasts for fixing the door frame in the wall and the material and process for manufacturing the door frame confirming to Designs andSpecification including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work, but excluding the cost of fixtures and painting. | PWD BC S.R 2018-19 KBS page 319 item No.38.66 | rmt | 1300.00 | | 104.00 | 1404.00 | 68.80 | **1472.80** |
| 31 | EI-19 | Solid Panel PVC door Shutter: Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. | PWD BC S.R 2018-19 KBS page 60 item No.9.83 | sqm | 2777.00 | | 222.16 | 2999.16 | 146.96 | **3146.12** |
| 32 | EI-20 | Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure | PWD BC S.R 2018-19 KBS page35 item No.7.11.2 | sqm | 4473.00 | | 357.84 | 4830.84 | 236.71 | **5067.55** |

Consultant
(M/s B U Tech Consulting Engineers)

Assistant Engineer
Lakes. B.B.M.P

Assisstant Executive Engineer
Lakes. B.B.M.P

**contractor**
**Mahesh K N**

Executive Engineer-1
Lakes. B.B.M.P

# FORM-71

## EXTRA ITEM RATE LIST -1 (EIRL)

**Name of Work: Construction of Gazebo, Watchman Shed, Pathway Improvement, Child Play Equipment and Other Development Works at Doddabommasandra Lake. Ward-10.**

**Estimate Cost: 99,00,000**
**Amount Put to Tender: 99,00,000**
**Aggrement cost: 99,00,000**

| IT No | Item No | Description of work | Unit | Total Anticipated /Approximate Quantity | Rate | Amount | Whether the item are alternative to items | Whether the Extra item is included in the sanctioned estimate. | How the extra cost of the item is prepared to be met out | Whether the extra item is included in the schedule of rate of the SR if so reference | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | EI-1 | KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. | cum | 89.38 | 338.74 | 30275.50 | NO | Yes | Out of overall saving | PWD BC S.R 2018-19 KBS page 6 item No. 2.3 | Area weightage varies |
| 14 | EI-2 | Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. | cum | 8.38 | 2751.86 | 23060.61 | NO | Yes | Out of overall saving | PWD BC S.R 2018-19 KBS page 7item No. 2.15 | Area weightage varies |
| 16 | EI-3 | Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications (for approch slab) | cum | 15.88 | 6721.68 | 106740.24 | NO | Yes | Out of overall saving | PWD BC S.R 2018-19 KBS page14 item No.4.12 | |
| 17 | EI-4 | Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls ( any thickness ) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications (for approch slab) | cum | 43.60 | 6848.50 | 298594.66 | NO | Yes | Out of overall saving | PWD BC S.R 2018-19 KBS page14 item No.4.12 | Area weightage varies |
| 21 | EI-5 | Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Hume Pipes) | sqm | 5.40 | 1059.68 | 5722.27 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 27 item No. 5.27.2 | |
| 22 | EI-6 | Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Labour quarters) | sqm | 96.87 | 1079.67 | 104587.90 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 27 item No. 5.27.2 | Area weightage varies |
| 23 | EI-7 | Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Shoulder drain | sqm | 155.76 | 901.78 | 140461.77 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 27 item No.5.28 | |
| 24 | EI-8 | Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications. (Labour Quarters) | sqm | 6.14 | 918.80 | 5641.42 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 27 item No.5.28 | Area weightage varies |
| 31 | EI-9 | KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10) | cum | 36.90 | 227.72 | 8402.75 | NO | Yes | Out of overall saving | PWD BC S.R 2018-19 KBS page 7 item No.2.10 | |
| 34 | EI-10 | Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., 1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel) | cum | 2690.10 | 667.16 | 1794737.88 | Yes | NO | Out of overall saving | MI BCSR 2018-19 PG.36 ITEM NO.2.36 | |
| 35 | EI-11 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, Footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications . | sqm | 25.77 | 292.29 | 7532.40 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 16 item No.4.28 | Area weightage varies |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | EI-12 | KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (Labour Quarters) | quintal | 6.02 | 80398.80 | 484000.78 | NO | Yes | Out of overall saving | PWD BC S.R 2018-19 KBS page18 item No. 4.46.2 | Area weightage varies |
| 43 | EI-13 | Removing and resetting of kerb stones | nos | 2946.15 | 110.08 | 324318.26 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 270 item No.37.57 | |
| 44 | EI-14 | Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications. | quintal | 0.51 | 7991.51 | 4075.67 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page150 item No.19.97 | |
| 45 | EI-15 | Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. 450 mm. dia | mtr | 30.00 | 2872.14 | 86164.23 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 254 item No.34.6.2 | |
| 46 | EI-16 | Providing and constucting pithcing / Revetment of 30 cm thick on slopes using granite /basalt/trap/stones of surface area not less than 0.04 sqm and wedged with spalls including cost of all materials, labour, HOM etc., complete as per specification. | sqm | 9.00 | 497.04 | 4473.33 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 256 item No.34.14 | |
| 54 | EI-17 | Fabricating, providing and erecting in poiston of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providing ornamental C I Designers at the bottom and C I arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings. | kgs | 94.50 | 149.55 | 14132.04 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 43 item No.7.31 | Area weightage varies |
| 55 | EI-18 | Providing and fixing engineered wood door frame fabricated using Wood Plastic Composites profiles (WPC) of cross section 75 mm X 125mm with a density of 1250-1300 kg/m3, resistant to water, termite, fungal and UV, using four numbers of L shaped MS or plastic clamps at the corners of the frame to fix it firmly to form a rectangular shape door frame and provided with six numbers of 260mmx25mmx5mm size z shaped MS flat hold fasts for fixing the door frame in the wall and the material and process for manufacturing the door frame confirming to Designs andSpecification including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work, but excluding the cost of fixtures and painting. | Rmt | 18.30 | 1472.80 | 26952.17 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 319 item No.38.66 | Area weightage varies |
| 56 | EI-19 | Solid Panel PVC door Shutter: Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. | sqm | 4.73 | 3146.12 | 14881.14 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page 60 item No.9.83 | Area weightage varies |
| 58 | EI-20 | Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality | sqm | 11.81 | 5067.55 | 59847.78 | Yes | NO | Out of overall saving | PWD BC S.R 2018-19 KBS page35 item No.7.11.2 | Area weightage varies |
| | | | | | **Total EIRL Amount Rs** | **3544602.81** | | | | | |

Agreement cost in Rs 9900000.00
EIRL Amount in Rs 3544602.81

Percentage 3544602.81 / 9900000.00 x 100= 35.80%

Consultant
(M/s B U Tech Consulting Engineers)

Contractor
Mahesh K N

Executive Engineer
Lakes. BBMP

Assistant Engineer
Lakes BBMP

Chief Engineer
Lakes. BBMP

Assistant Executive Engineer
Lakes BBMP